

## ABSTRACT

This invention provides a DNA containing UCP-2 promoter region containing the regulator sequence.

5        This invention relates to a DNA containing uncoupling protein-2 (UCP-2) promoter region containing the regulator sequence, a transformant transformed with the said DNA, a method for screening a compound or its salt that promotes or inhibits UCP-2 promoter activity  
10       characterized by use of the said transformant, a method for screening an antiobestic drug, an antidiabetic drug, a depressor, an antihyperlipemic drug, and an antipyretic drug characterized by use of the said transformant, a kit for screening a compound or its  
15       salt that promotes or inhibits UCP-2 promoter activity characterized by use of the said transformant, and pharmaceutical composition containing a compound or its salt that promotes or inhibits UCP-2 promoter activity obtained using the said screening method or the said  
20       screening kit.

      Since UCP-2 promoter of this invention contains the regulator sequence, it has higher activity reflecting the in vivo UCP-2 expression system in human than the promoter lacking the regulator sequence.  
25       Therefore, the UCP-2 promoter of this invention can be used as a promoter inserted in vectors for treatment of human diseases and drug screening systems under conditions closer to in vivo environment in human.

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